

PAT-NO: JP357124027A
**DOCUMENT-
IDENTIFIER:** JP 57124027 A
TITLE: MOTORCYCLE WITH ENGINE WITH TURBO-
SUPERCHARGER
PUBN-DATE: August 2, 1982

INVENTOR-INFORMATION:

NAME **COUNTRY**
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HONDA MOTOR CO LTD N/A

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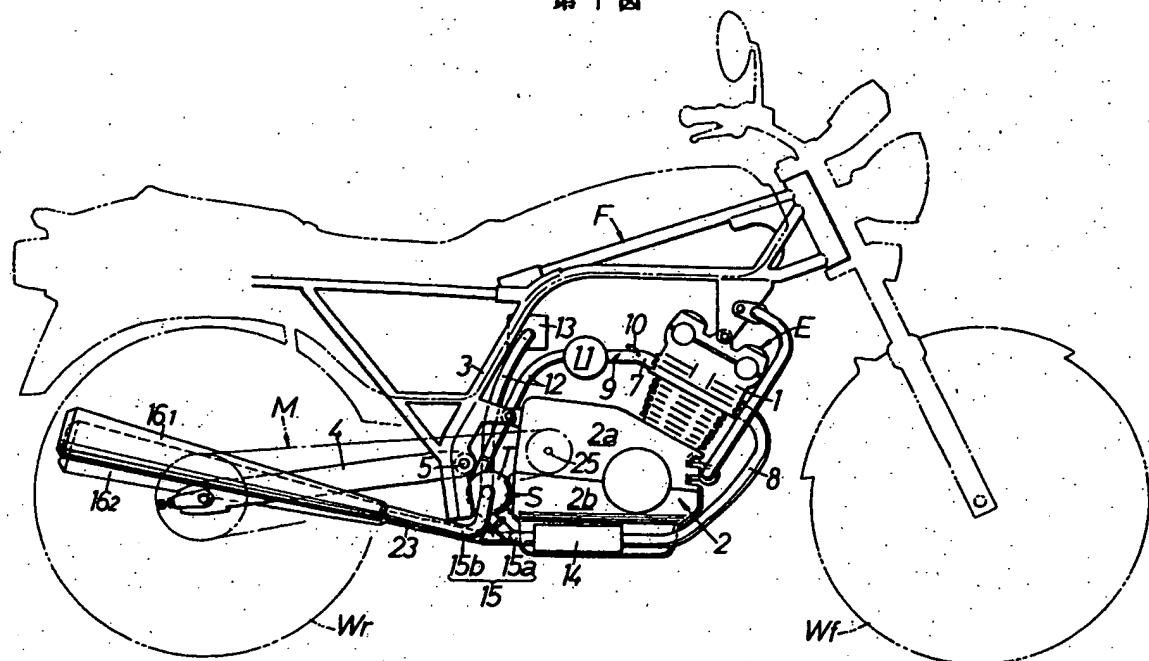
ABSTRACT:

PURPOSE: To reliably control supercharged pressures in a motorcycle on which an engine with a turbo-supercharger is mounted, by respectively connecting the first and the second muffler at the lower and upstream sides of the supercharger turbine.

CONSTITUTION: An exhaust gas from an exhaust pipe 8 passes through a turbine T via a common exhaust pipe 15 to force a turbine wheel 18 to drive a compressor wheel 20 and is thereafter released into atmosphere via the first muffler 161. In this operation, if a pressure at an outlet of a compressor C is increased over a specified value, a control valve 24 is appropriately opened and some of an exhaust gas fed into an exhaust manifold 14 is thereby allowed to bypass the turbine T through a waste pipe 23 and then released from the second muffler 162. Thereby, a revolution speed of the turbine is reduced to decrease a supercharged pressure. Thus, as the exhaust gas is released from the second muffler 162, supercharged pressure control may be reliably performed without any effect on back pressures of the turbine.

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